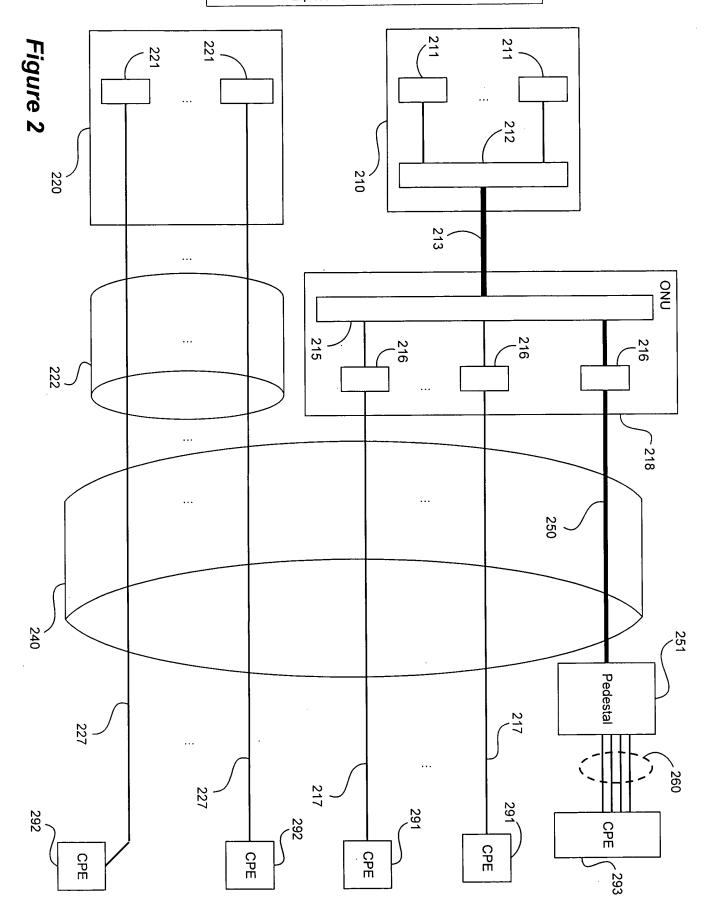
Title: HIGH SPEED MULTIPLE LOOP DSL SYSTEM Inventor: John M. Cioffi Atty. Docket 0101-p05 Sheet 1 of 8 Express Mail No. EU527446435US

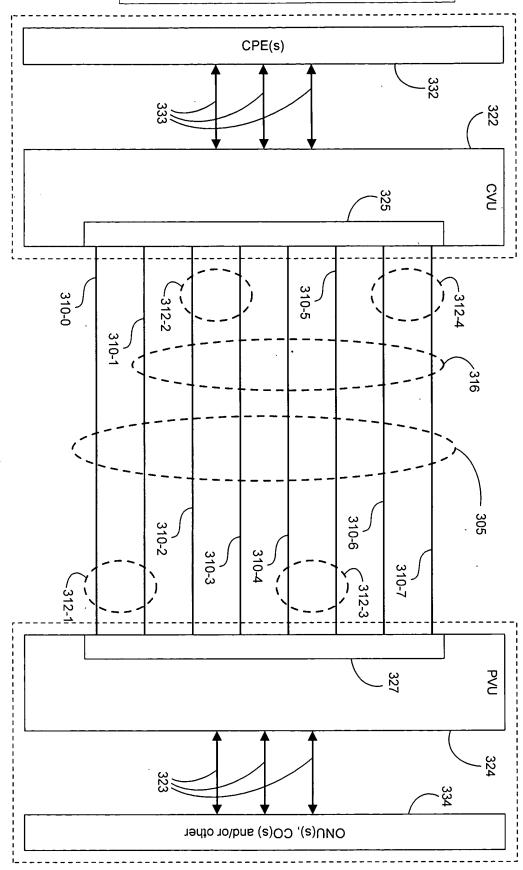
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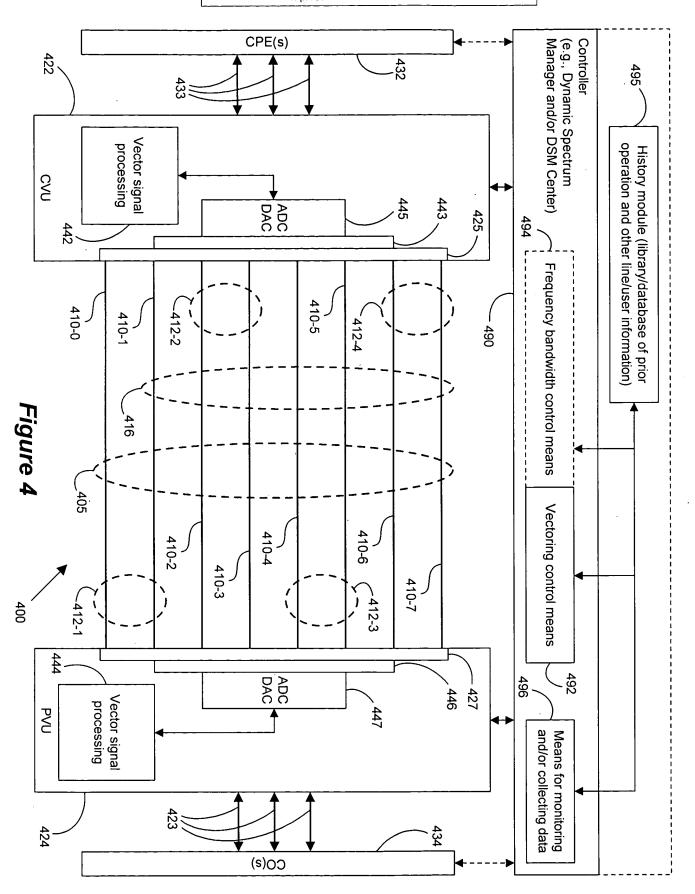
Title: HIGH SPEED MULTIPLE LOOP DSL SYSTEM
Inventor: John M. Cioffi
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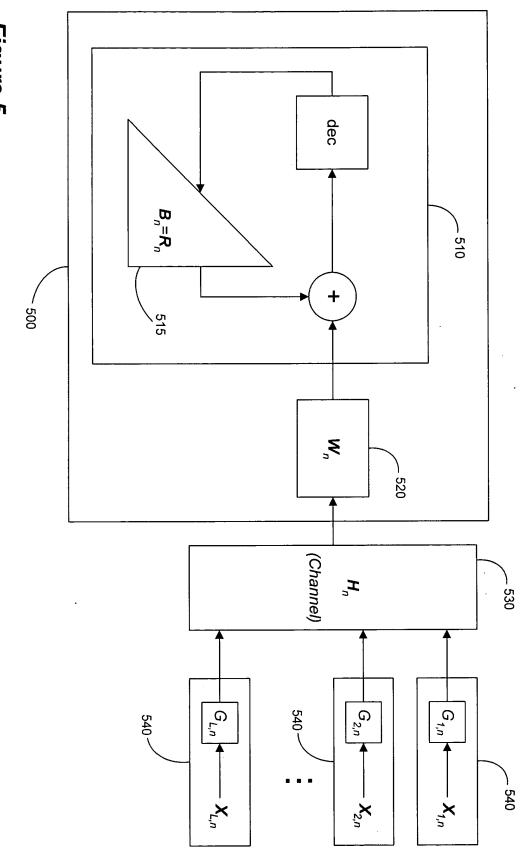


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Inventor: John M. Cioffi
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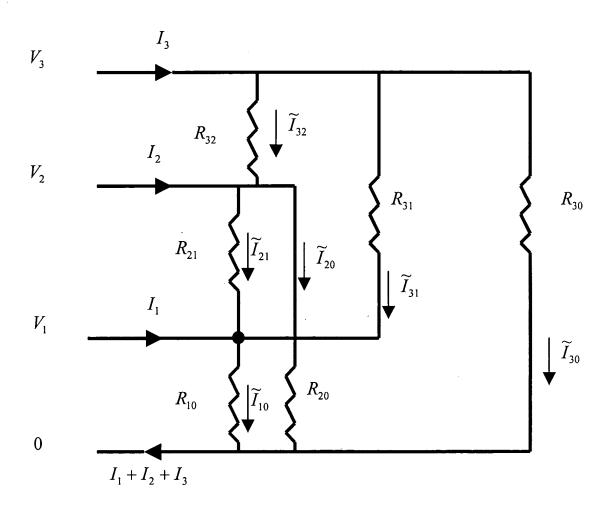


Figure 6

Title: HIGH SPEED MULTIPLE LOOP DSL SYSTEM Inventor: John M. Cioffi Atty. Docket 0101-p05 Sheet 7 of 8 Express Mail No. EU527446435US

## Using 8192 tones

## Using 4096 tones

7x7 Channel		7x7 Channel		
<u>Line</u>	length	Speed	Line length	<u>Speed</u>
50 n	n	3379.456 Mbps	50 m	1694.620 Mbps
100	m	3292.700 Mbps	100 m	1693.324 Mbps
150	m	3086.508 Mbps	150 m	1684.680 Mbps
200	m	2860.460 Mbps	200 m	1626.964 Mbps
250	m	2622.604 Mbps	250 m	1556.748 Mbps
300	m	2430.580 Mbps	300 m	1481.112 Mbps
4x4 Channel				
4x4 Chann	<u>el</u>		4x4 Channel	
<del>"</del>	el e length	Speed	4x4 Channel  Line length	Speed
<del>"</del>	e length	Speed 1835.644 Mbps		Speed 927.272 Mbps
Line	e length	· <del></del>	Line length	<del>-</del>
<u>Line</u> 50 n	e length n m	1835.644 Mbps	<u>Line length</u> 50 m	927.272 Mbps
Line 50 n 100	e length n m m	1835.644 Mbps 1851.464 Mbps	Line length 50 m 100 m	927.272 Mbps 934.376 Mbps
Line 50 n 100 150	e length  n  m  m  m	1835.644 Mbps 1851.464 Mbps 1831.016 Mbps	Line length 50 m 100 m 150 m	927.272 Mbps 934.376 Mbps 939.040 Mbps

Figure 7

Title: HIGH SPEED MULTIPLE LOOP DSL SYSTEM
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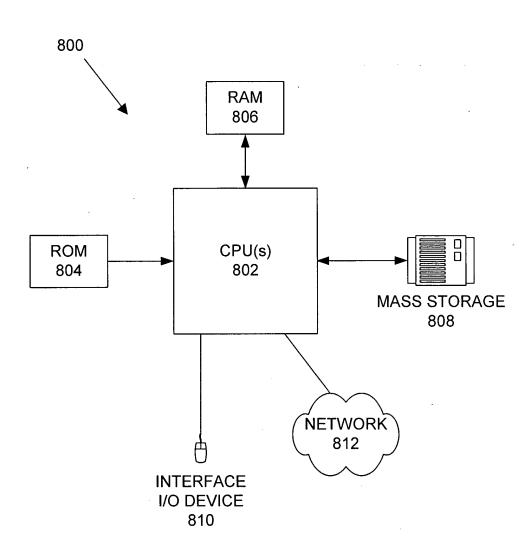


Figure 8